

President: Mrs R. Mills.

Gen Sec : Mr M. Winterbottom

Min Sec : Mrs B. Singleton.

Treasurer: Mr L. Bransgrove.

Newsletter Ed: Mr E. Perkins.

General Neetings are held at the Castlemaine Education Centre (SEC Building, Mostyn St) at 8 p.m. on the second Friday.

Visitors and prospective members are invited to attend the Club's sessions.

# THE BIRD ATLAS

The article from the Atlas Newsletter printed overleaf explains very well the purpose of the Atlas.

The aim is to record over all of Australia on an approximately 16 kilometre (10 minute)grid all of the Austalian Birds and their nesting habits.

There are three kinds of records required

- (a) Historical Atlas Records up to the end of 1976
- (b) Main Atlas current records.
- (c) Unusual records.

### HOW TO TAKE PART

"Any bird-watcher may help to collect data."

- "To take part, you need not be familiar with all Australian birds, but you are expected to identify accurately all those you record. WHEN IN DOUBT, OMIT."
- "We seek an even coverage of 1° blocks for the whole continent, but if possible, pinpoint you observations to sample 10' blocks in each 1° block." (See map in the centre pages).
- "In a block, do your best to find and record all species present and all those breeding in it. Try to visit all of the habitats in the block e.g. stream, pond, forest, farmland etc., and where possible, do so at different times of the day and night and at different times of the year."

"Such an intense coverage of a grid block will not always be possible. Casual records made during a short visit to a block or while travelling, particularly in the more remote areas, are also valuable in ensuring that the Atlas truly represents the distribution of birds rather than observers."

"Observations should be entered in notebooks in the field and then transferred to the record sheets, (from which computer cards will be punched). In this way-

(a) You can check any doubtful observations at leisure

(b) You will retain in your field notebook a complete record, should you need to fill in an Atlas Unusual Record Report Form.

(c) You will retain your own personal record of behaviour, population, habitat etc."

Unusual Records The Unusual Record form should be filled out for unusual records and sent in with the Record Sheet.

### The Atlas and You

Supplement to RAOU Newsletter 30

The President of the RAOU, Dr. Stephen Davies, introduces the first Atlas News-letter.

As an undegraduate I was bombarded by enthusiasts about the Botanical Society of the British Isles' latest craze. It was to plot the distribution of the plants of Great Britain using a gridded map. Not only that but it was all going to be done with a -computer, then a new word. I doubt if I grasped much of the significance of the analysis plans, nor of the objects of the whole project, but I greatly enjoyed dashing out to odd bits of the British Isles, Galway Bay for example, and recording plants on the neat little cards provided free by the Society. The Atlas of the British Flora was published over ten years ago and has been a cornerstone of the steady planning of nature reserves in Britain, their management and the assessment of damage in such disasters as the Dutch Elm Disease, ever since. It was the first of the biological Atlases, prepared by a co-operative effort of an amateur society. It showed that the job could be done, and dozens of Atlases around the world-frogs, seaweeds, birds, mosses—Atlases of a whole range of organisms in many different countries, followed.

Now our own ornithological Atlas is really under way. For years the Council, the Field Investigation Committee and a host of organisers and helpers in pilot atlas schemes have been saying 'do you think we can do it?', really meaning 'do you think that we shall get funds to do it?' Last year the Commonwealth Government showed us plainly that they wanted this sort of survey done and were willing to fund it. The RAOU got to work in a way that I think it is true to say, it had hardly dreamed possible before, and this year the Field Atlas Scheme has been launched, well supported by Commonwealth money and backed by a massive response to a publicity campaign over the Christmas holidays. Nearly a thousand enquiries were received following that publicity and there is little doubt that this kind of co-operative ornithology fills an empty niche in many people's enjoyment of the bush.

That is a very important point. Atlas work is enjoyable. It helps people to learn more about the beautiful birds around them in an enjoyable way. But that is not just why the Department of Environment, Housing and Community

Development is so keen to help us. They can see great usefulness in the work we are undertaking. It will give Australia a picture of the changing distribution of a group of organisms over the period of European settlement. There will then be a clear factual statement about what birds have declined and what have increased, which have spread and which have retracted their range. This information simply doesn't exist in a form that allows governments - local, state and federal - to assess the priorities of what to do first. What species is in most urgent need of protection, which one is doing well without help. It will also enable locality lists to be compared on a standard basis, so that areas particularly rich in bird species can have priority in reservation.

The Atlas of Australian Birds is the first biological atlas of Australia to be attempted in such detail. Many of the methods appropriate overseas will be in-

appropriate here, but many of the methods we work out will be applied widely to other groups of organisms in

Australia. Anyone who has had even a little bit of experience atlassing will know its excitements and the enjoyment that comes with days in the bush that have a clear object and are contributing to new and fundamental knowledge. Anyone who has not yet tried atlassing is missing a treat. You need to know nothing to start and will be amazed that learning is such fun.

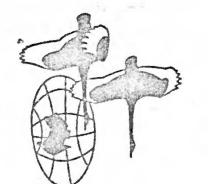
Let me just ask two things of you. Be patient with the overworked staff at Dryburgh Street who will answer your letter as soon as they possibly can. And do look for nests; the willie wagtail has still only been recorded breeding in six of Western Australia's grid blocks.

Stephen Davies, President. RAOU.

### BIRD ATLAS NESTING RECORDS FOR THE 1° BLOCK 37°30° S, 144°30° E

	Little Grebe	061	Spotted Dove	989	Jacky Winter 377
	Pied Cormorant	099	Galah	273	RestlessFlyctch369
	Whitefaced Heron	188	Crimson Rosella	282	WillieWagtail 364
	Black Swan	203	Eastern Rosella	288	ClamReedWarbler524
	Mountain Duck	207	Red-rump Parrot	295	SuperbBlueWren 529
	Black Duck	208	Pallid Cuckoo	337	WhitebrScrubWrn488
	Mallard	948	Sacred Kingfisher	326	Weebill 465
	Grey Teal	211	Bee-eater	329	BrownThornbill 475
	White-eyed Duck	215	Welcome Swallow	357	Yel-rumpThnbill486
in.	Wood Duck	202	Fairy Martin	360	RedWattlebird 638
	Black-Shld Kite	232	Pipit	647	YellfaceH/eater674
	Swamp Harrier	219	Bl-faceCuckooShr	424	Wh-plumeH/eater625
	Peregrine Falcon	237	WhiteWingTriller	430	Wh-napedH/eater578
	Little Falcon	235	Common Blackbird	991	NewHllndH/eater631
	Brown Falcon	239	Song Thrush	992	Spotd Pardalote565
	Nankeen Kestrel	240	Rose Robin	384	Striated Pardl 976
	Dusky Moorhen	056	Scarlet Robin	380	Silvereye 574
	Coot	059	East.YellowRobin	392	Goldfinch 996
	Masked Plover	133	Rufous Whistler	401	House Sparrow 995
	Domestic Pigeon	957	GreyShrikeThrush	408	CommonStarling 999
	Magpie Lark	415	Aust Magpie	705	Common Myna 998
	Dusky Woodswallow	547	Aust Raven	930	Wh-wing Chough 693
	Little Raven	954	Total Breeding Ro	corde	s: 67

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# THE CASTLEMAINE GRID

The numbers in each grid refer to the lattitude (degrees and minutes south of the equator) and longitude (degrees and minutes east of Greenwich) of the centre of each block. e.g. Chewton is 37°05'S and 144°15' east.

Note that the grid system is the same as that used for the Club records, but that the numbering system is different.



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## KEY TO SPECIES NAMES AND NUMBERS

									* -		
	NON-PASSERINE		IBIS Glossy	178	BUTTON-QUAIL Red-backed	013	Sharp-tailed Spiper Pectoral Spiper	163	Long-billed Corelia Little Corella	272 271	٨.
	EMU CASSOWARY	001	White Straw-necked	179 180	Painted Chestnut-backed	014 015	Red-necked Stint Long-toed Stint	162 965	Pink Sulphur-crested	270 269	
	GREBE		SPOONBILL		Buff-breasted	016	Curlew Spiper	161	ORIENTAL PARROT		
	Great Crested	060	Royal	181	Black-breasted Little	017	Sanderling	166	Eclectus	275	
	Hoary-headed Little	062	Yellow-billed	182	Red-chested	019	Broad-billed Spiper	167	Red-cheeked	276	
	LITTLE PENGUIN	005	PIED GOOSE	199	PLAINS-WANDERER	020	ORIENT PRATCOLE	172	LORIKEET	254	
	ALBATROSS	003	TREE-DUCK		RAIL		AUST PRATINCOLE	173	Red-collared	255	
	Wandering	086	Whistling	204	Land	046	SKUA		Scaly-breasted	256	-
	Black-browed	088	Plumed	205	Water	045	Great	980	Varied	257	-
	Grey-headed Yellow-nosed	090	SWAN Black	203	Chestnut Red-necked	048	Arctic Pomarine	128 945	Musk Purple-crowned	258 259	-
	White-capped	091	Mute	906	Marsh Crake	050	GULL		Little	260	İ
	PETREL		FRECKLED DUCK	214	Spotted Crake	049	Silver	125	FIG-PARROT	231	
	South Giant-petrel	929	CAP BARRN GOOSE	198	Spotless Crake	051	Pacific	126	LONG-TAIL PARROT		
	North Giant-petrel	937	1	130	White-browedCrake	052	South Black-back	981	King	281	
	Cape Great-winged	080 075	SHELDUCK Mountain Duck	207	Bush-hen Tasmn Nativehen	053 054	TERN	110	Red-winged	280	
	White-headed	077	Burdekin Duck	206	Blacktail Nativehen	055	Whiskered White-winged Black	110	Superb	277	
	Gould	078	DABBLING DUCK		Dusky Moorhen	056	Guli-billed	111	Regent Princess	279	1
	PRION		Black	208	Swamphen	058	Caspian	112	Cockatiel		1
	Medium-billed	941	Mallard Croy Tool	948	COOT	059	Common	953	GROUND PARROT		
	Antarctic Slender-billed	942	Grey Teal Chestnut Teal	210	CRANE		Arctic	952	Swamp	311	1
	Fairy	083	Shoveller	212	Brolga	177	Roseate White-fronted	113	Budgerygah	310	
	SHEARWATER		Garganey	209	Sarus	898	Black-naped	119	SWIFT PARROT	309	1
	Flesh-footed	072	Pink-eared	213	BUSTARD	176	Sooty	120	ROSELLA, ALLIES		
	Wedge-tailed Sooty	069	WHITE-EYED DUCK	215	LOTUSBIRD	171	Bridled	121	Red-capped Parrot	290	
	Short-tailed	071	PERCHING DUCK	200	STONE-CURLEW		Little	117	Green	285 282	
	Fluttering	069	Wood Duck White Pygmygoose	202	Bush	174 175	Fairy Crested	118	Yellow	284	
	Hutton's Little	913	Green Pygmygoose	201	Beach		Lesser Crested	116	Adelaide	283	
		007	STIFF-TAIL DUCK		PAINTED SNIPE	170	NODDY		Eastern	288	
	STORM-PETREL Wilson's	063	Blue-billed	216	GYSTERCATCHER	120	Common	122	Pale-headed Northern	286	
	White-raced	065	Musk	217	Pied Sooty	130	Lesser White-capped	123	Western	289	
	COMMON DIVINGPET	085	OSPREY	241	LAPWING		FRUIT-PIGEON		Mallee Ringneck	291	
			SMALL KITE		Masked Plover	133	Black-banded	024	Port Lincoln Parrot	294	
	PELICAN	106	Black-shouldered Letter-winged	232	Banded Plover	135	Purple-crowned	023	Red-rumped Parrot	295	
	GANNET	104	CRESTED HAWK	234	PLOVER, DOTTEREL		Red-crowned Wompoo	021	Many-colour Parrot Golden-shidr Parrot	296 300	
- 11	Red-foot Booby	103		234	Grey Plover East Golden Plover	136	Torres Strait	026	Hooded Parrot	301	
	Masked Booby	105	TRUE KITE Black	229	Red-kneed Dott	132	Topknot	027	Blue Bonnet	297	
	Brown Booby	102	Square-tailed	230	Hooded Dott	138	TYPICAL PIGEON		Bourke's Parrot	304	
	DARTER	101	Black-breasted	231	Mongolian Dott	139	- White-headed	028 957	Blue-winged Parrot Elegant Parrot	306	
	CORMORANT	000	Brahminy Whistling	227	Large-biiled Dott	141	Spotted Dove	989	Rock Parrot	308	
	Black-faced Pied	098	GOSHAWK.		Oriental Dott	142	Laughing Dove	988	Orange-bell Parrot	305	
	Little Pied	100	Brown	221	Red-capped Dott	143	BROWN PIGEON	029	Turquoise Parrot Scarlet-br Parrot	302	
	Black	096	Sparrowhawk	222	Black-fronted Dott Australian Dott	144	BRONZEWING, DOVE		PARASITIC CUCKOO	200	
k .	Little Black	097	Grey	220		. 143	Peaceful Dove	030	Oriental	336	
	FRIGATEBIRD Greater	094	EAGLE		STILT	146	Diamond Dove Bar-shoulder Dove	031	Pallid	337	1
	Lesser	095	Wh-br Sea-eagle	226	Banded	147	Emerald Dove	033	Brush Chestnut-breasted	339	
	REDTAIL TROPICED	107	Wedge-tailed	224	Avocet	148	Comm Bronzewing	034	Fan-tailed	338	1
	HERON		Little	225	TURNSTONE	129	Brush Bronzewing	035	Black-eared	341	
6	Great-billed	184	HARRIER	040	SANDPIPER, CURLEY	٧	Flock Pigeon	036	Rufous-tail Bronze-	342	
4	White-necked	189	Spotted Swamp	218	Eastern Curlew	149	Crested Pigeon Squatter Pigeon	043	Shining Bronze-	344	
	White-faced	188	,	210	Little Whimbrel	150 151	Partridge Pigeon	040	Rufous-brst Bronze-	345 346	
	Pied	190	FALCON	238	- Wood Spiper	154	White-guill Rock	037			
ř	Cattle Egret Large Egret	977	Peregrine	237	Grey-tailed Tattler	155	Chant-quill Rock	038	Indian Koel Channel-billed	347	
	Little Egret	185	Little	235	- Wandering Tattler	156	Spinifex Pigeon	042	PHEASANT COUCAL	349	
	Plumed Egret	186	Grey Brown	236	. Common Spiper	157	Wonga Pigeon	044		343	1
	Reef	191	Nankeen Kestrel	240	Greenshank Marsh Spiper	158	PALM COCKATOO	263	HAWK OWL Rufous	247	
	Mangrove		MOUND-BUILDER		Terek Spiper	160	BLACK COCKATOO		Powerful	248	
1	NIGHT-HERON	192	Scrubtowl	006	SNIPE		Red-tailed Glossy	264 265	Boobook	242	-
	BITTERN	195	Malleefowl	007	Japanese	168	White-tailed	266	Barking	246	-
	Little	195	Brush-turkey	000	Chinese	169	Yellow-tailed	267	BARN OWL	249	
•	Brown	197	QUAIL	009	GODWIT, SANDPIPER		Gang-gang	268	Barn Masked	250	1
	JABIRU	183	Swamp	011	Black-tailed Godwit Bar-tailed Godwit	152 153	WHITE COCKATOO		Grass	252	1
1 1.30			Brown	010	Knot	164	Galah	273	Sooty	253	1
	The state of the s		King	012	Great Knot	165					

	ROGMOUTH Tawny Papuan Marbled	316	Mangrove Robin White-breast Robin East Yellow Robin West Yellow Robin	388 387 392 394	Lavender-flanked Red-winged White-winged Red-backed	862 538 535 541	Bell Miner Noisy Miner Yellow-thrt Miner	635	SPARROW House	
	OWLET-NIGHTJAR	317	Pale-yellow Robin White-faced Robin White-browed Robin	396 397	Rufscrwn Emuwrn Southn Emuwrn	528 526	Black-eared Miner Macleay's Tawny-breasted	615 629	AUSTRALIAN FINCH Red-brow Firetail Beautiful Firetail	650
	White-throated Spotted Large-tailed	330 331 332	Grey-head Robin Shrike-tit	390 389 416	Black Grasswrn White-thr Grasswrn Carpntrn Grasswrn	518 516 517	Lewin's Yellow-spotted Graceful White-lined	606	Red-eared Firetail Painted Firetail Diamond Firetail	654 652
S	REY SWIFTLET SPINE-TAIL SWIFT	333 334	Olive Whatlr Red-lored Whatlr Gilbert's Whatlr	405 402 403	Striated Grasswrn Eyrean Grasswrn Grey Grasswrn Thick-bl Grasswrn	513 515 871 512	Yellow-faced Bridled	614 611	Star Crimson Zebra	664 653
	ORK-TAIL SWIFT  (INGFISHER  Azure	335	Golden Whstir Mang Gold Whstir Grey Whstir	398 400 406	Dusky Grasswrn BRISTLEBIRD	511	Singing Varied Mangrove	608 609 610	Double-barred Masked Long-tailed Black-throated	669
Т	Little REE KINGFISHER 1	320	Rufous Whatir White-brst Whatir Rufous Shrthrush	401 404 413	Eastern Western Rufous	519 520 521	White-gaped Yellow White-eared	628 626 617	Plum-headed Pictorella Mannikn	661
	Kookaburra Bl-wing Kookaburra Forest Red-backed	322 323 324 325	Bower's Shrthrush Sandstone Shrthrush Grey Shrthrush	414 411 408	AUST WARBLER Pilotbird Rock Warbler	506 505	Yellow-throated Yellow-tuited Purple-gaped	616 619 620	Chsntbrs Mannikn Yllwrump Mannikn Nutmeg Mannikn	658 983
-	Sacred Mangrove Yellow-billed	326 327 321	Crested Bellbird Yellow-It Flyctchr	419 395	Aust Fernwren Atherton Scrbwrn Largebill Scrubwrn	496 946 494	Grey-headed Yellow-plumed Grey-fronted Fuscous	621 622 623 613	Blue-faced Gouldian STARLING	
В	White-tailed EE-EATER	328 329	Lemon-br Flyctchr Brown-tl Flyctchr Jacky Winter	379 378 377	Yellow-thr Scrbwrn Tropical Scrbwrn White-br Scrubwrn	493 490 488	Yellow-tinted White-plumed	624 625	Metallic Common Common Myna	999
-	OLLARBIRD	318	MONARCH, FANTAIL Broadbill Flychtchr Leaden Flycatchr	367 365	Scrubtit Chsntrmp Hylacola Shy Hylacola	487 498 499	Black-chinned Strong-billed Brown-headed	580 582 583	ORIOLE Yellow Olive-backed	672 671
	ASSERINE ITTA Red-bellied	353	Satin Élyctchr Shining Flyctchr Restless Flyctchr	366 372 369	Redthroat Fieldwren Speckled Warbler	497 500 504	White-throated White-naped Black-headed	579 578 584	Green Figbird SPANGLED	432
	Noisy Rainbow YREBIRD	352 354	Yellow-br Boatbill Blackface Monarch Blackwing Monarch	368 373 374	Weebill Brown Warbler Large-bill Warbler	465 454 457	Green-backed Brown White-streaked	604 597 627	BOWERBIRD Golden	685
	Albert's Superb	351 350	Spectacled Monarch White-ear Monarch Frilled Monarch	375 376 371	Dusky Warbler Mangrove Warbler Western Warbler	461 460 463	Painted Crescent New Holland	598 630 631	Satin Aust Regentbird Spotted	684 680
S	CRUB-BIRD Rufous Noisy	355 356	Pied Monarch Rufous Fantail	370 362	Greenback Warbler Fairy Warbler White-thr Warbler	458 456 453	White-cheeked White-fronted Tawny-crowned	632 594 593	Great Fawn-breasted Toothbill Catbird	682 678
L	ARK Singing Bushlark Common Skylark	648 993	Grey Fantail Northern Fantail Willie Wagtail	361 363 364	Mountain Thrnbill Brown Thrnbill Broad-tail Thrnbill	474 475 476	Brown-backed Bar-breasted Rulous-banded	595 596 600	Spotted Cathird Green Cathird RIFLEBIRD	677 676
s	WALLOW White-backed Barn	358 879	Spine-tl Chowchia North Chowchilla	434 435	Tasmanian Thrnbill Chsntrmp Thrnbill Slate-back Thrnbill	473 481 480	Rufous-throated Grey	601 599	Paradise Victoria s Magnificent	688 688
	Welcome Tree Martin Fairy Martin	357 359 360	Eastern Whipbird Western Whipbird Chirp Wedgebill	421 422 866	Western Thrnbill Buffrump Thrnbill Samphire Thrnbill	472 484 482	Eastern Spinebill Western Spinebill Banded Black	591 592 588 589	Trumpet Manucode MUD-NESTER Whitewing Chough	689
	CHARD'S PIPIT	647	Chime Wedgebill Spotted Qualith Chestnut Qualith	865 436 437	Yellowrump Thrnbill Yellow Thrnbill Striated Thrnbill	486 471 470	Pied Dusky Red-headed	602 590 587	Apostlebird MAGPIE LARK	675 415
	Black-faced Yellow-eyed White-bellied	424 428 425	Cinnamon Quailth Nullarbor Quailth BABBLER	439 440	Southn Whiteface Chantbrat Wlace Banded Whiteface	466 468 469	Scarlet CHAT	586	WOODSWALLOW White-breasted Masked	543 544
	Cicadabird Ground White-wing Triller	429 423 430	Grey-crowned White-browed Hall's	443 445 938	VARIED SITTELLA TREECREEPER	549	Crimson Orange Yellow White-fronted	449 450 451 448	White-browed Black-faced Dusky Little	545 546 547 548
1	Varied Triller	431 990	Chestnut-crowned OLD-WLD WARBLER	446	Little White-throated Red-browed	559 558 560	Gibberbird  OLIVEBACK SUNBIRD	452	BUTCHERBIRD Black	701
T	RUSH Scaly Common Blackbird	447 991	Clam Reed Warbler Tawny Grassbird Little Grassbird	524 523. 522	White-browed Brown Rufous	561 555 556 562	MISTLETOEDIRD PARDALOTE	564	Grey Pied Austrin Magpie	702 700 705
R	Song DBIN, WHISTLER North Scrub-robin	992	Spinifexbird Zitting Cisticola Gold-hd Cisticola SONGLARK	507 969 525	Black-tailed HONEYEATER Red Wattlebrd Yellow Wattlebrd	638 639	Spotted Yellow-rumped Forty-spotted Red-browed	565 566 571 570	Pied Currawong Black Currawong Grey Currawong	694 696 697
	South Scrub-robin Rose Robin Pink Robin	384 383	Rufous Brown AUST-PAPUAN WREN	509 508	Little Wattlebrd Spiny-cheeked Striped	637 640 585	Striated WHITE-EYE Pale	976 577	CROW Australian Raven Forest Raven	930 868
	Flame Robin Scarlet Robin Red-capped Robin	382 380 381	Purple-crowned Superb Blue Splendid	542° 529 532	Helmeted Friarbird Silver-cr Friarbird Noisy Friarbird	642 644 645	Yellow Silvereye	576 574	Little Raven Little Crow Torresian Crow	954 691 692
N. C.	Hooded Robin Dusky Robin	385 386	Blue-breasted Variegated Lovely	540 536 539	Little Friarbird Regent Blue-faced	646 603 641	Goldfinch	996 997		

### THE ATLAS NEWS

If you have been active in the preceding 12 months, you will receive a quarterly newsletter

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19 Rawson Court Heathment 3135 Contact 15 David Peters

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